

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
15 September 2005 (15.09.2005)

PCT

(10) International Publication Number  
**WO 2005/084492 A1**

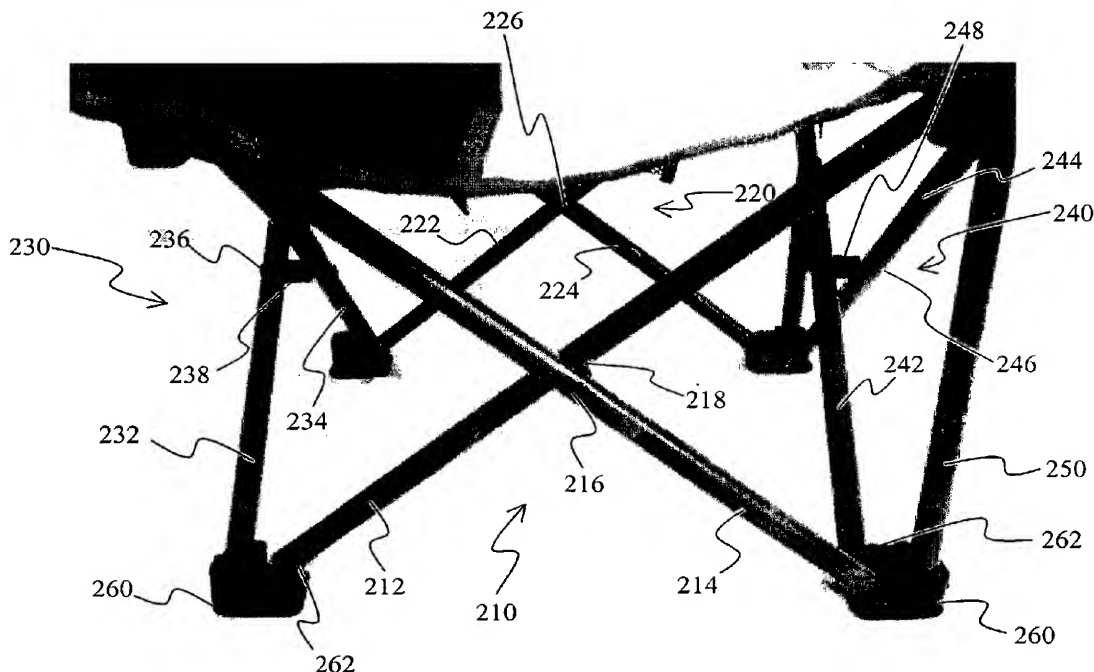
- (51) International Patent Classification<sup>7</sup>: **A47C 7/62**
- (21) International Application Number:  
PCT/US2004/005727
- (22) International Filing Date: 25 February 2004 (25.02.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (71) Applicant (for all designated States except US): **TO-FASCO** [US/US]; 1736 Wright Avenue, La Verne, CA 91750 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **ZHENG, Edward** [CA/US]; 876 Everset Drive, Chino Hills, CA 91709 (US).
- (74) Agents: **FESSENMAIER, Martin** et al.; Rutan & Tucker, 611 Anton Boulevard, 14th Floor, Costa Mesa, CA 92626 (US).

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**  
— with international search report  
— with amended claims

[Continued on next page]

(54) Title: QUAD CHAIR WITH SAFETY SPACER



(57) Abstract: A collapsible chair (100) with quad configuration includes a spacer element (160) that increases the distance between the cross bars (152, 154) of a cross brace (150). While contemplated spacer elements reduce collapsibility of the chair, they will in most cases prevent injury to the fingers of a person that collapses the chair by holding on, or applying force to one or more cross bars (152, 154).

WO 2005/084492 A1



---

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*